



(19) Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 228 458 B1

(12)

EUROPEAN PATENT SPECIFICATION

- (45) Date of publication of patent specification: 02.10.91 (51) Int. Cl.5: C12N 15/00, C12N 5/00,
(21) Application number: 86904590.6 A61K 47/00, A61K 35/12,
(22) Date of filing: 30.06.86 A61K 37/24, A61K 37/48,
(86) International application number: A61F 2/10
PCT/US86/01378
(87) International publication number:
WO 87/00201 (15.01.87 87/01)

(54) EPITHELIAL CELLS EXPRESSING FOREIGN GENETIC MATERIAL.

- (33) Priority: 05.07.85 US 752466
(43) Date of publication of application:
15.07.87 Bulletin 87/29
(45) Publication of the grant of the patent:
02.10.91 Bulletin 91/40
(84) Designated Contracting States:
AT BE CH DE FR GB IT LI LU NL SE
(56) References cited:
US-A- 4 016 036

Molecular and Cellular Biology, vol. 5, no. 1,
January 1985, American Society for Microbiology (US) N.E. Hynes et al. "New acceptor
cell for transfected genomic DNA: oncogene
transfer into a mouse mammary epithelial
cell line", pages 268-272, see the abstract

(73) Proprietor: WHITEHEAD INSTITUTE FOR
BIOMEDICAL RESEARCH
Nine Cambridge Center
Cambridge, MA 02142(US)

(72) Inventor: MORGAN, Jeffrey, R.
92 Colborne Road
Brighton, MA 02135(US)
Inventor: MULLIGAN, Richard, C.
441 Franklin Street
Cambridge, MA 02138(US)

(74) Representative: Slight, Geoffrey Charles et al
Graham Watt & Co. Riverhead
Sevenoaks Kent TN13 2BN(GB)

EP 0 228 458 B1

Note: Within nine months from the publication of the mention of the grant of the European patent, any person may give notice to the European Patent Office of opposition to the European patent granted. Notice of opposition shall be filed in a written reasoned statement. It shall not be deemed to have been filed until the opposition fee has been paid (Art. 99(1) European patent convention).